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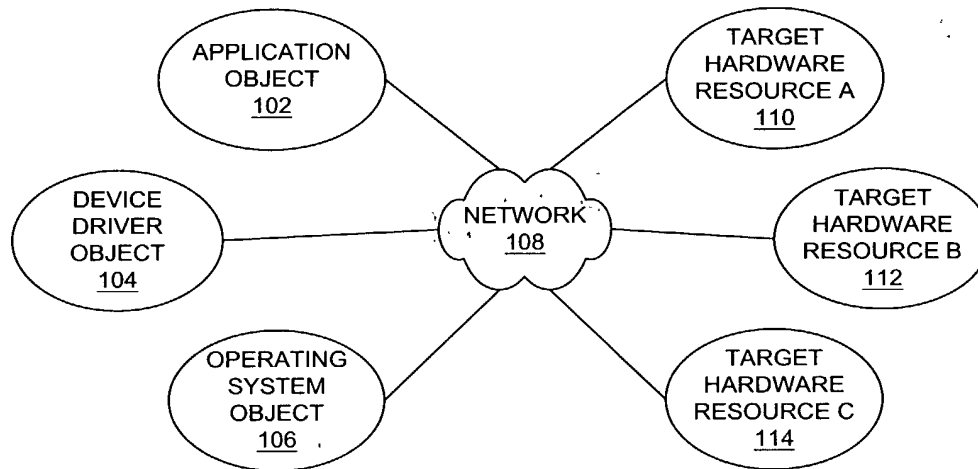


FIG. 1
(PRIOR ART)

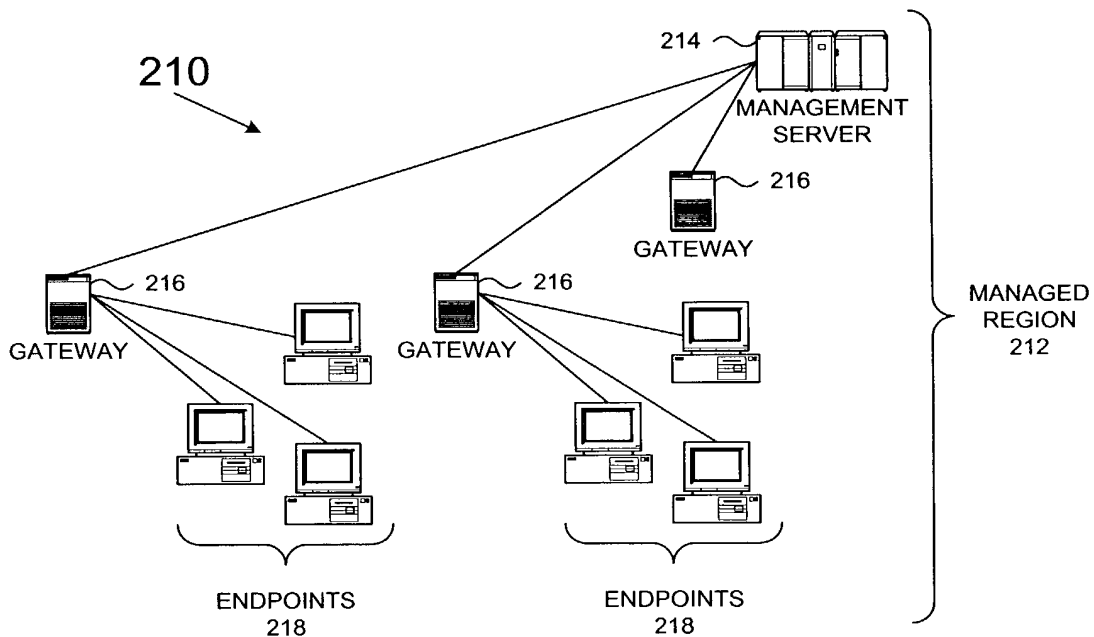


FIG. 2A

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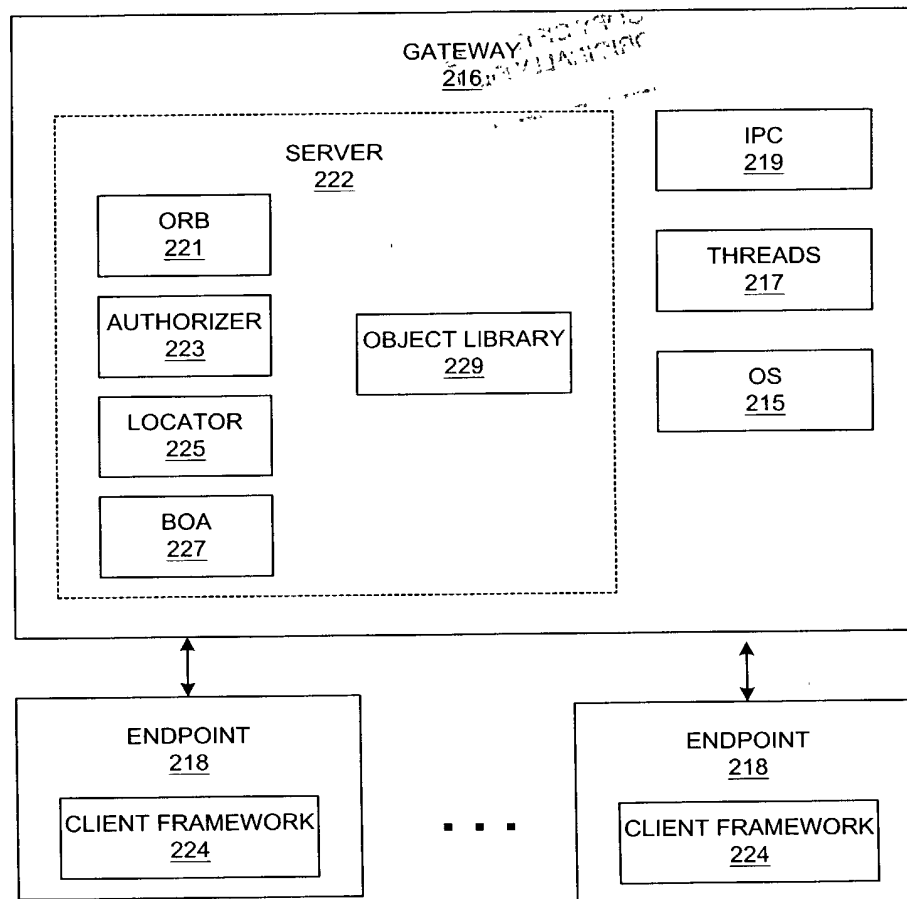


FIG. 2B

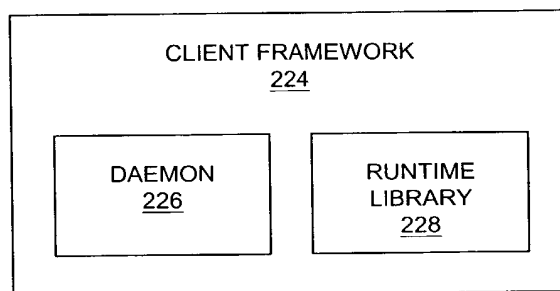


FIG. 2C

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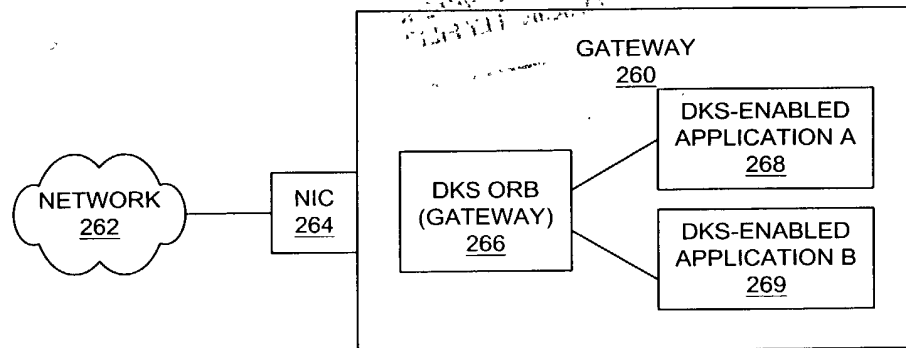


FIG. 2F

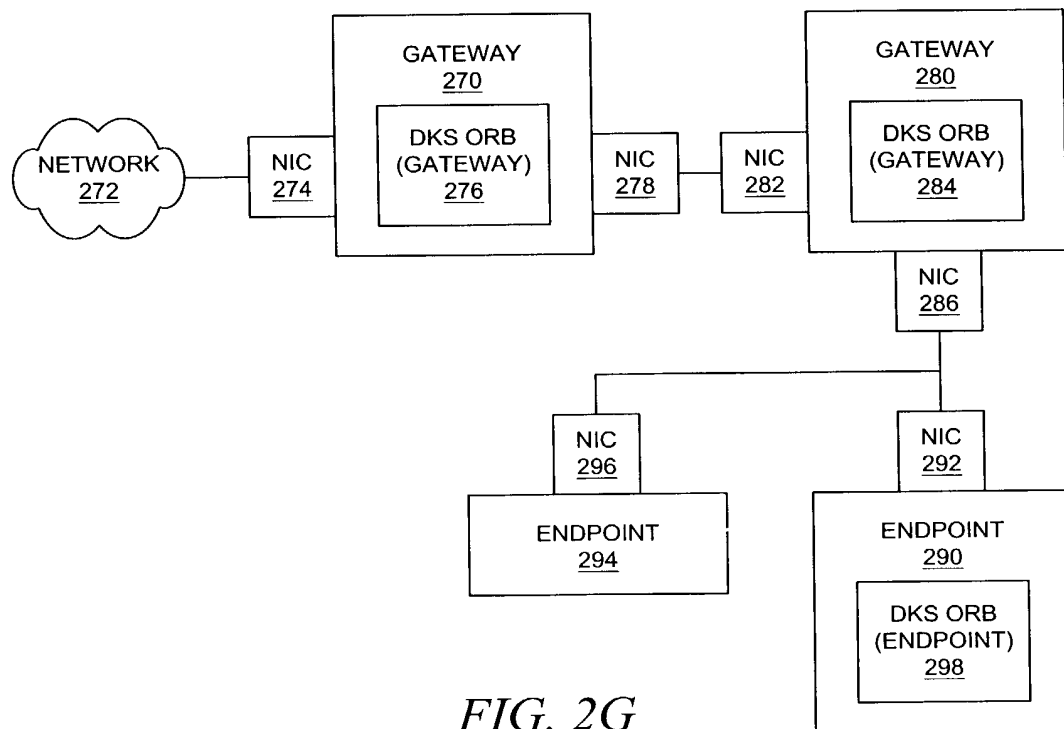


FIG. 2G

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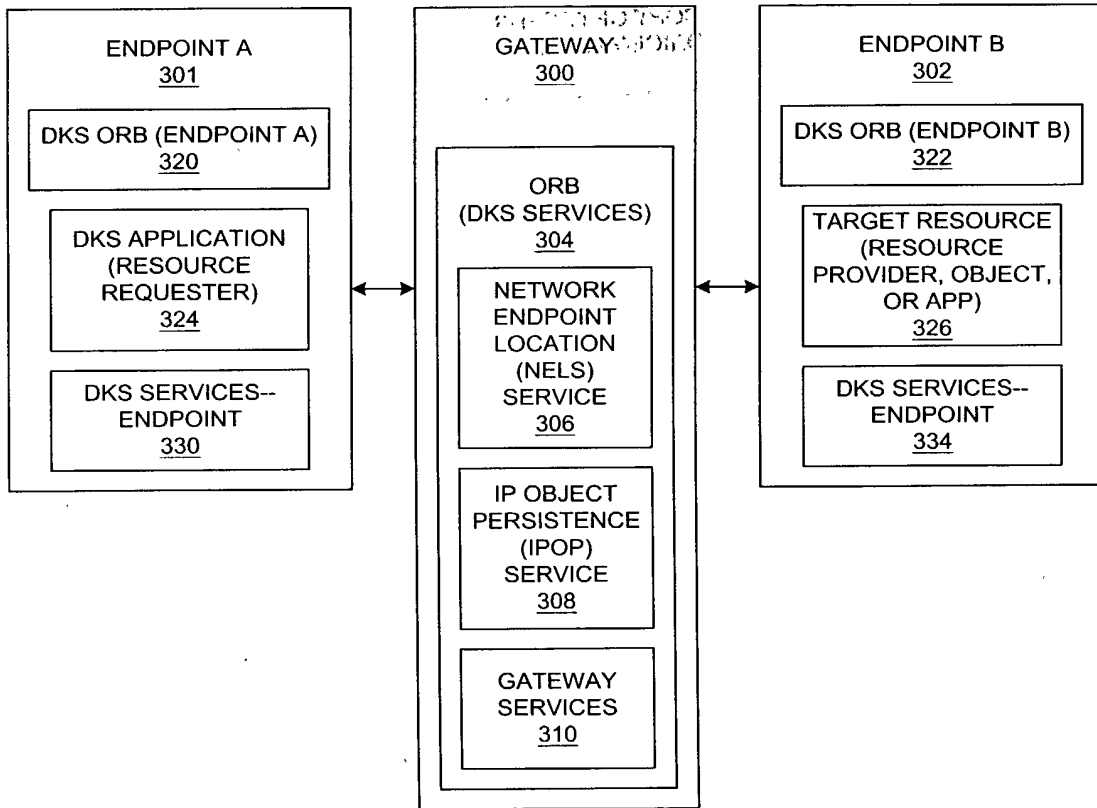


FIG. 3

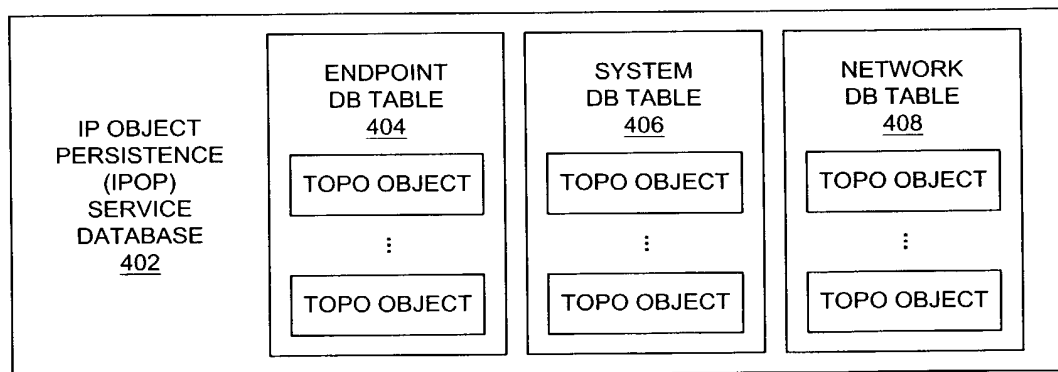


FIG. 4

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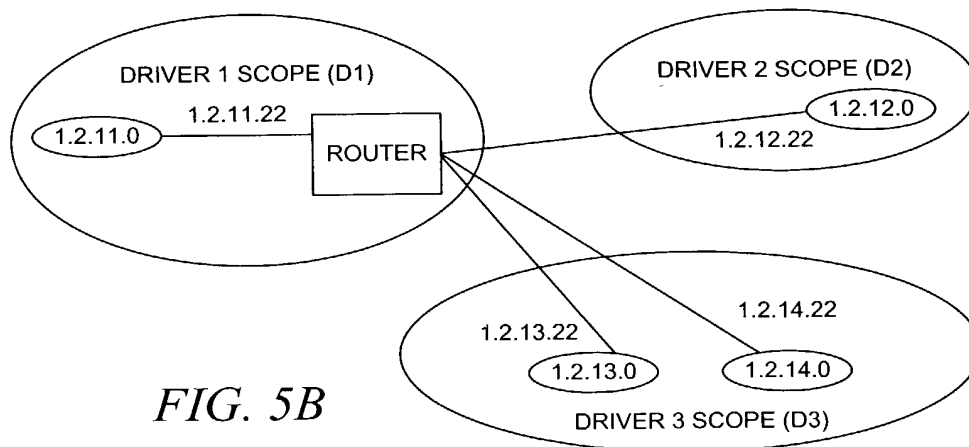
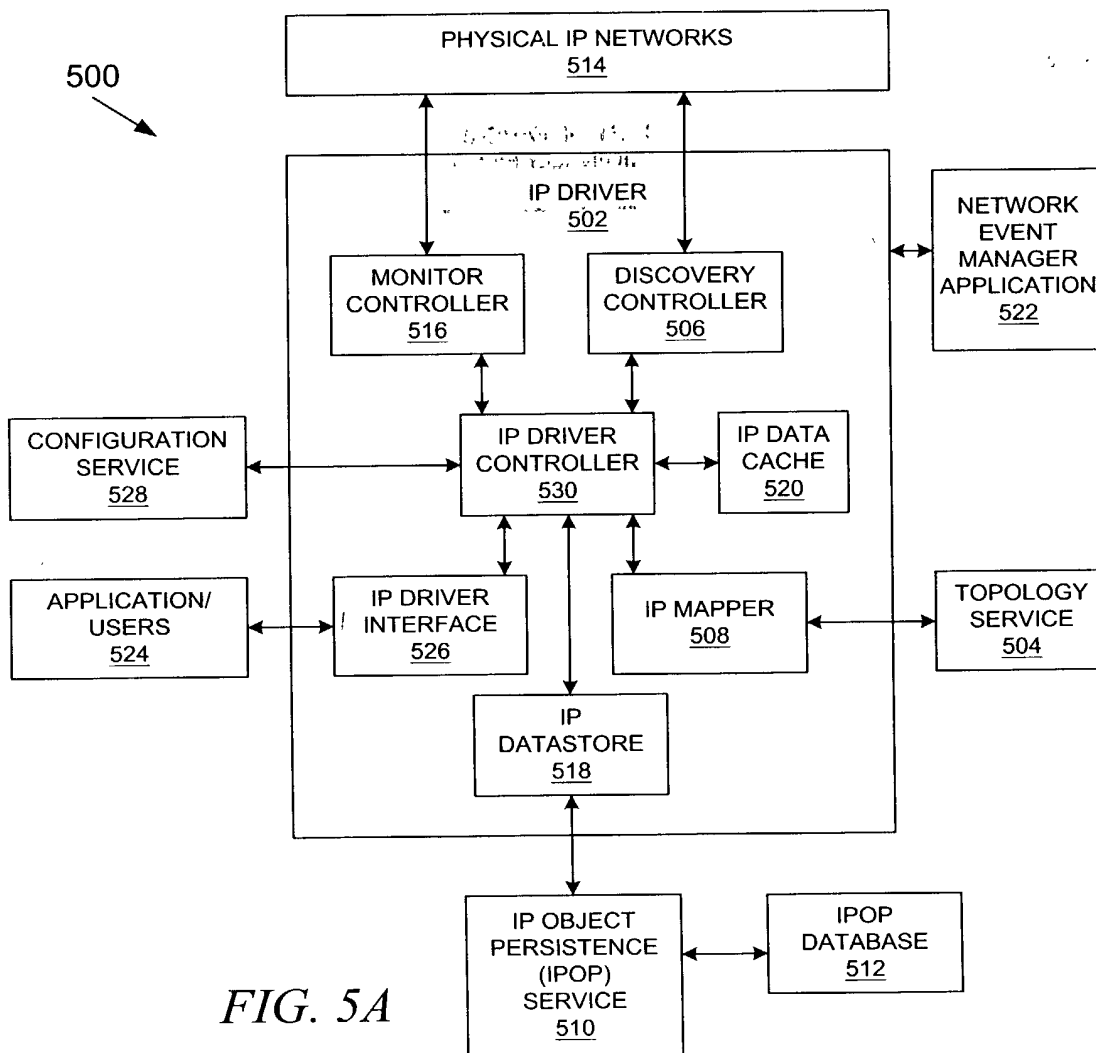


FIG. 5B

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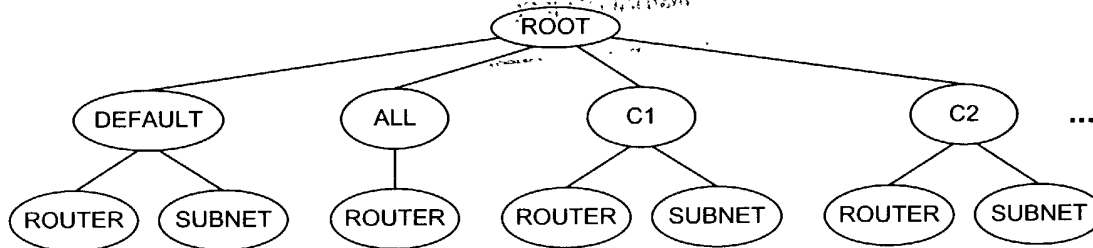


FIG. 5C

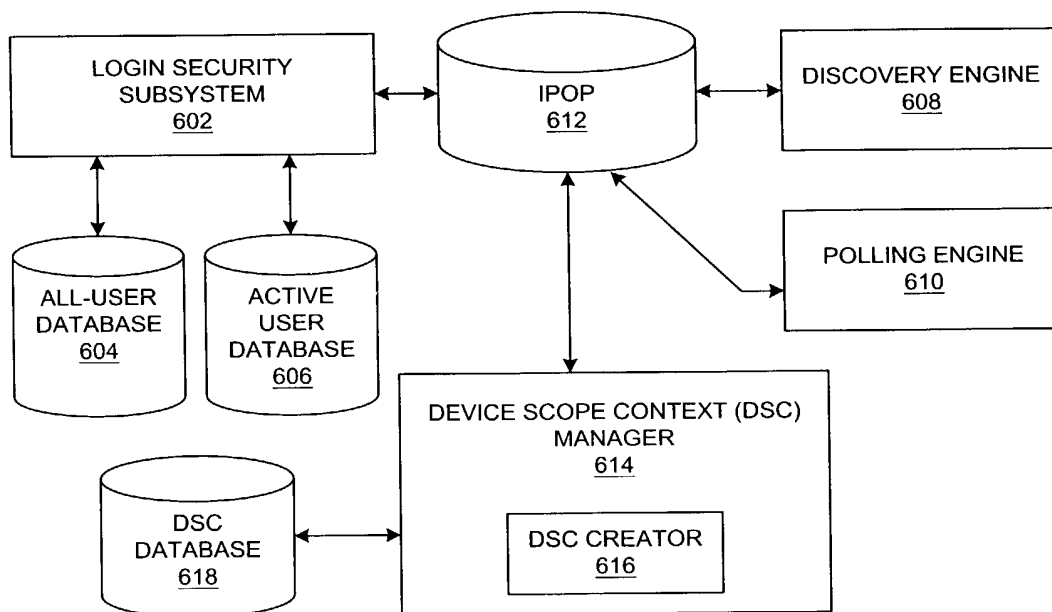


FIG. 6

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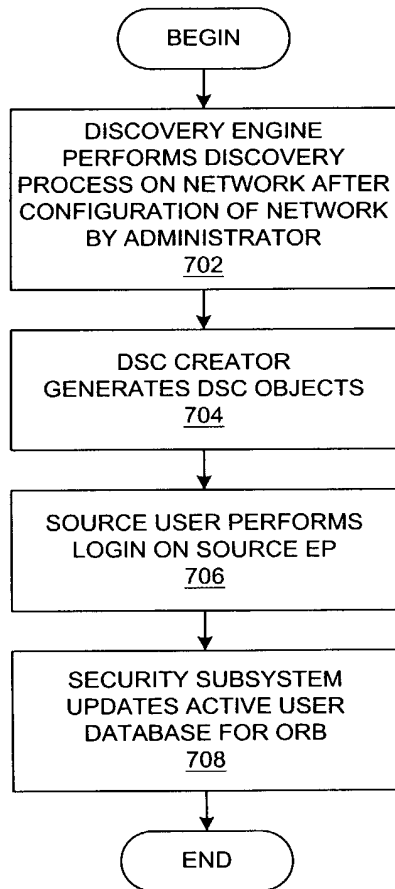


FIG. 7A

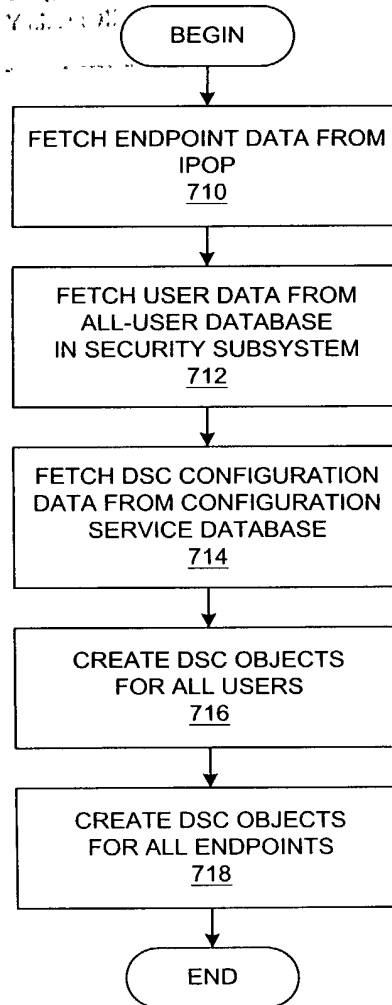


FIG. 7B

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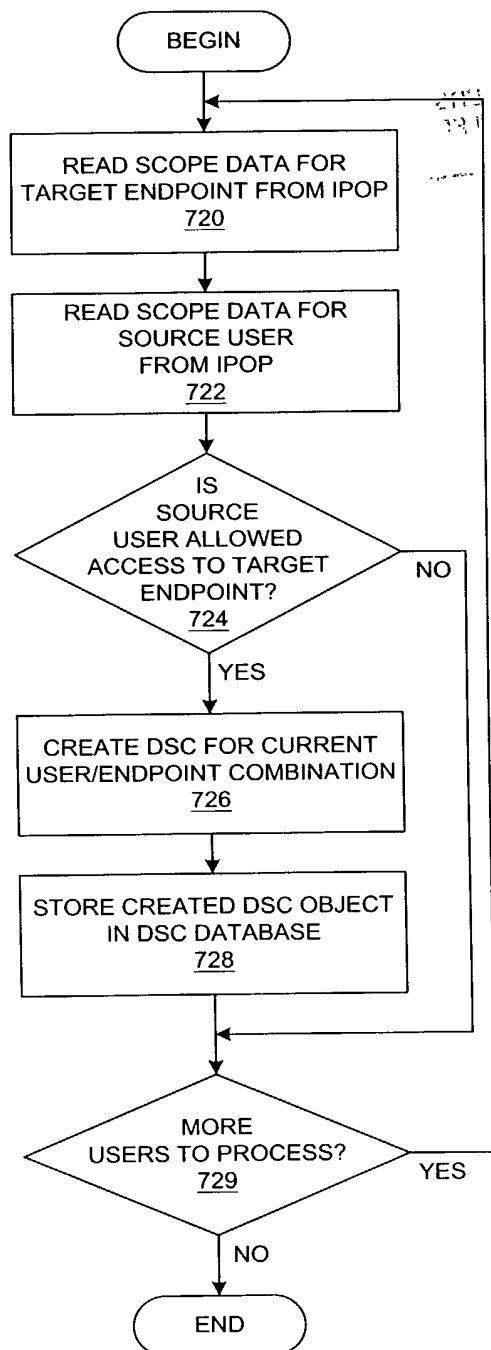


FIG. 7C

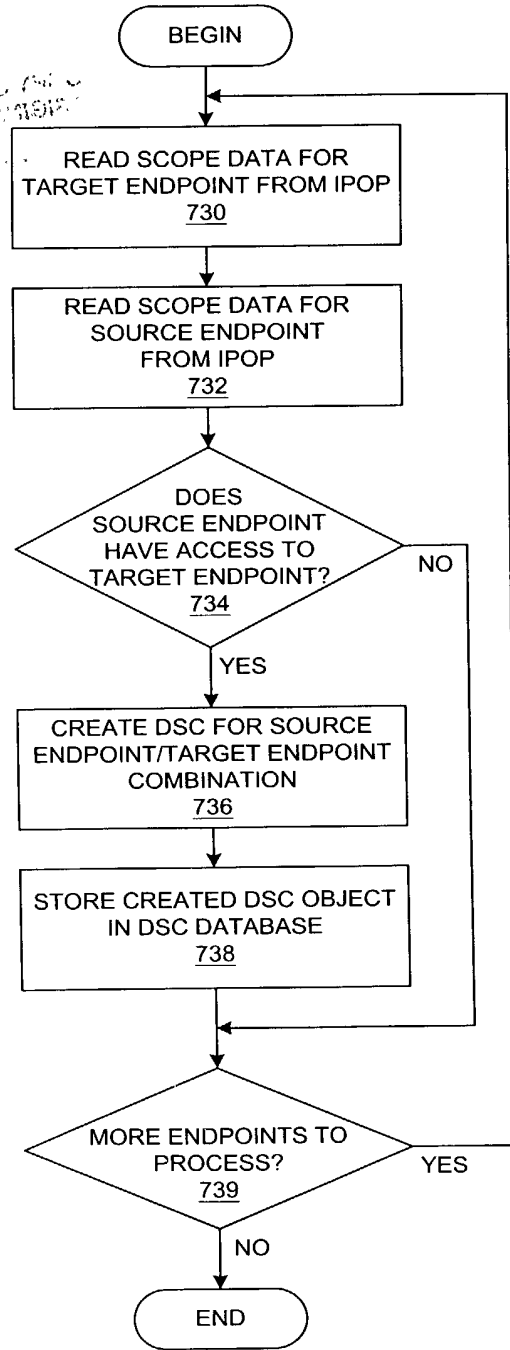


FIG. 7D

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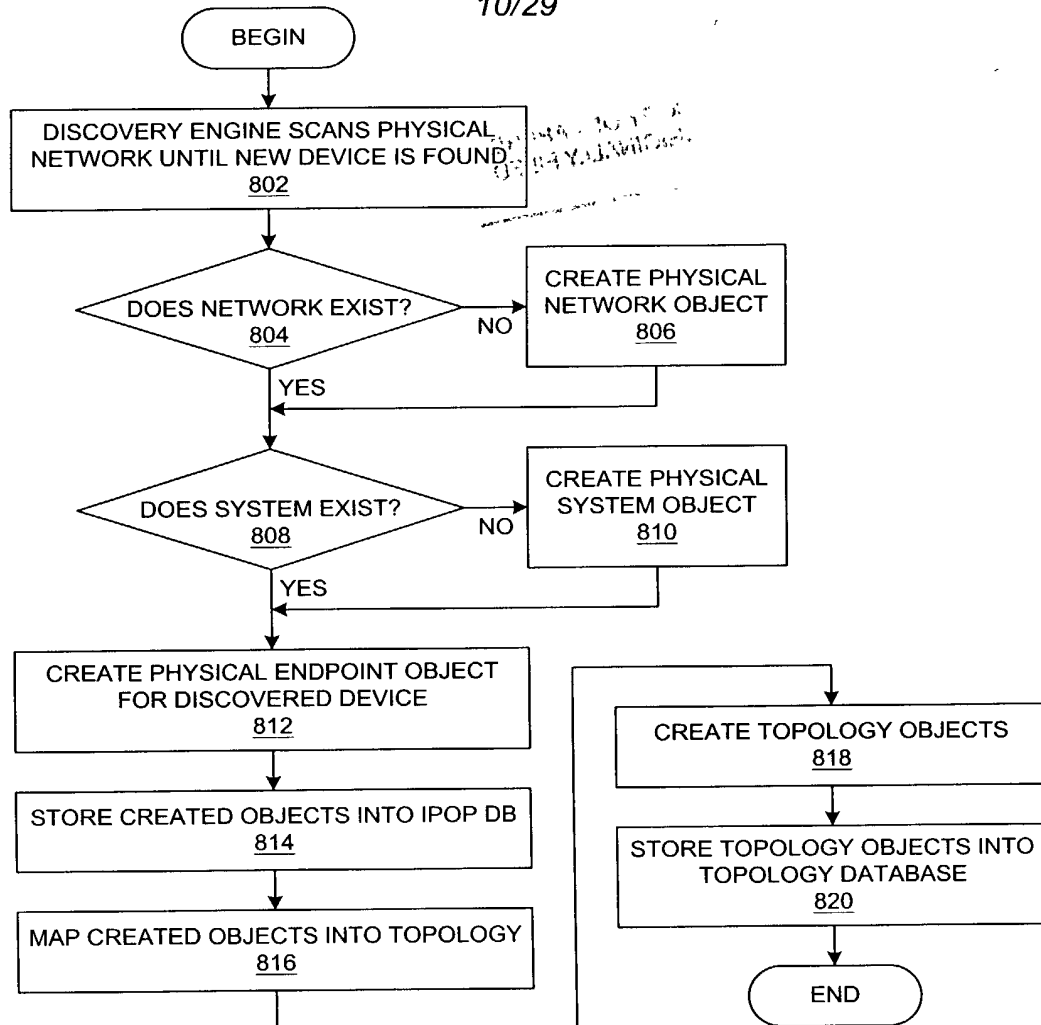


FIG. 8A

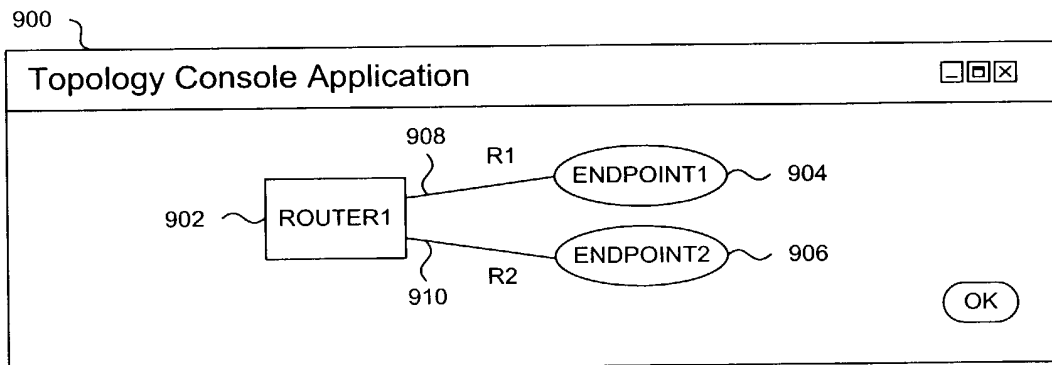


FIG. 9A

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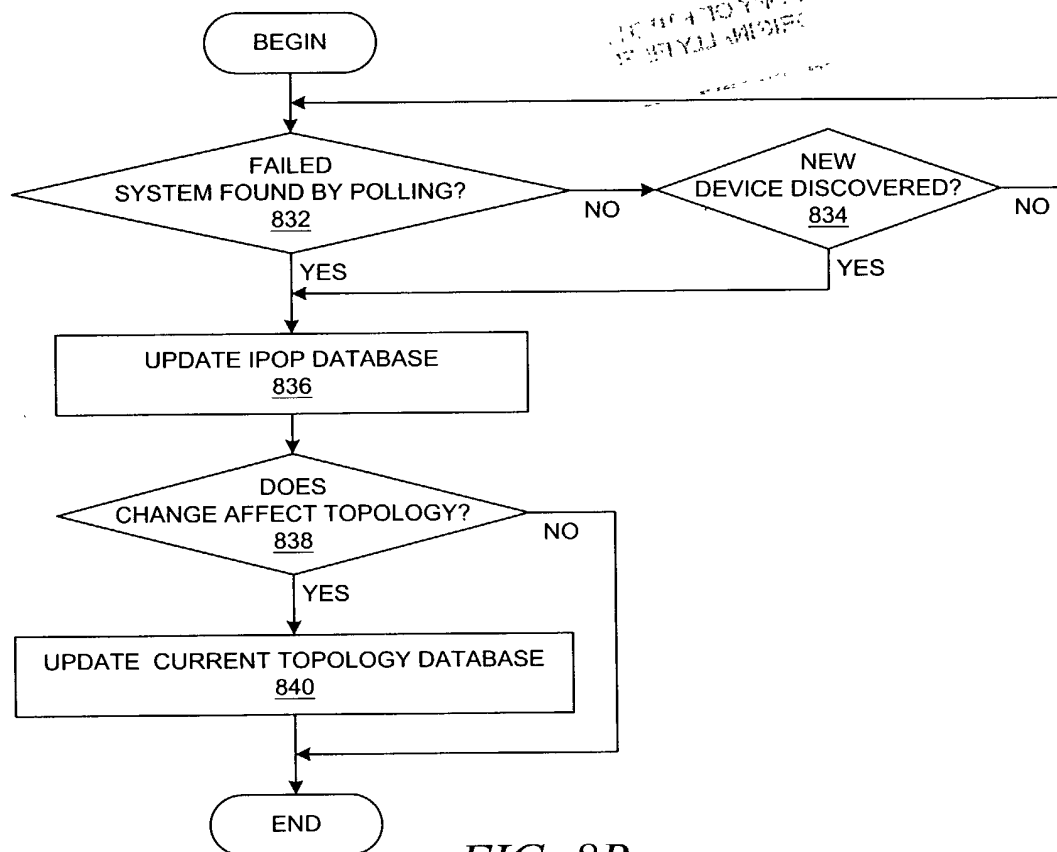


FIG. 8B

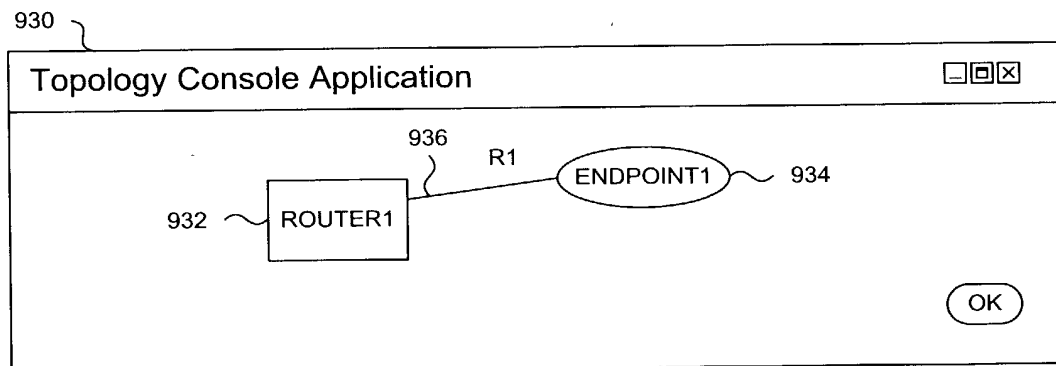


FIG. 9B

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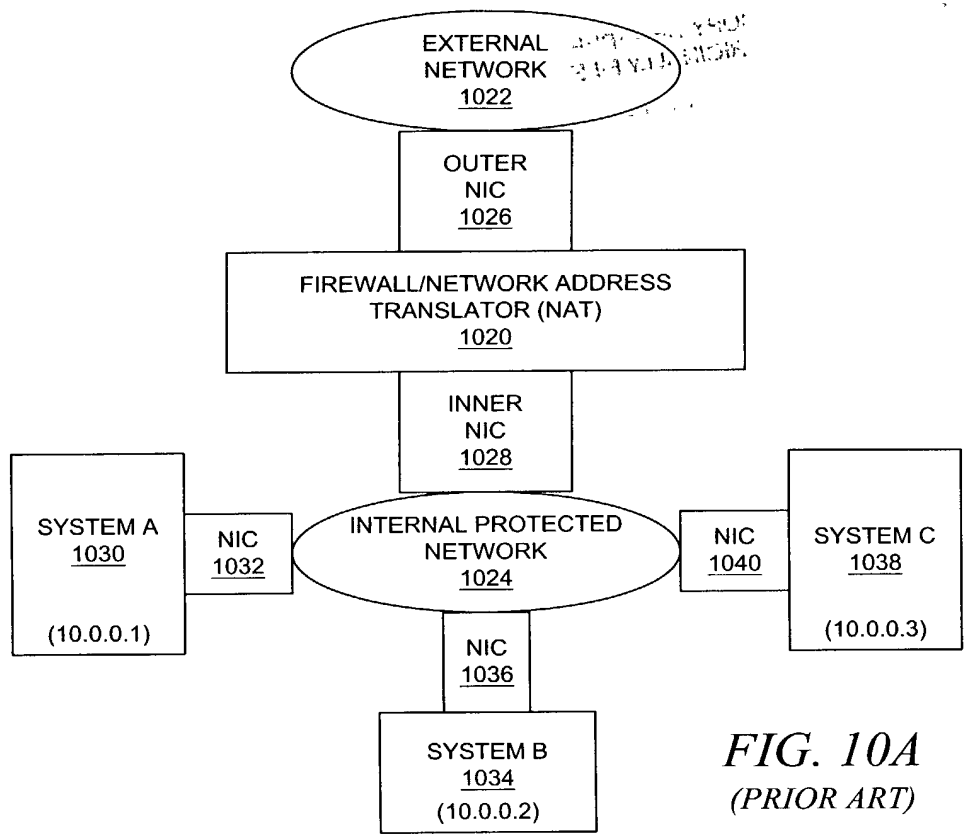


FIG. 10A
(PRIOR ART)

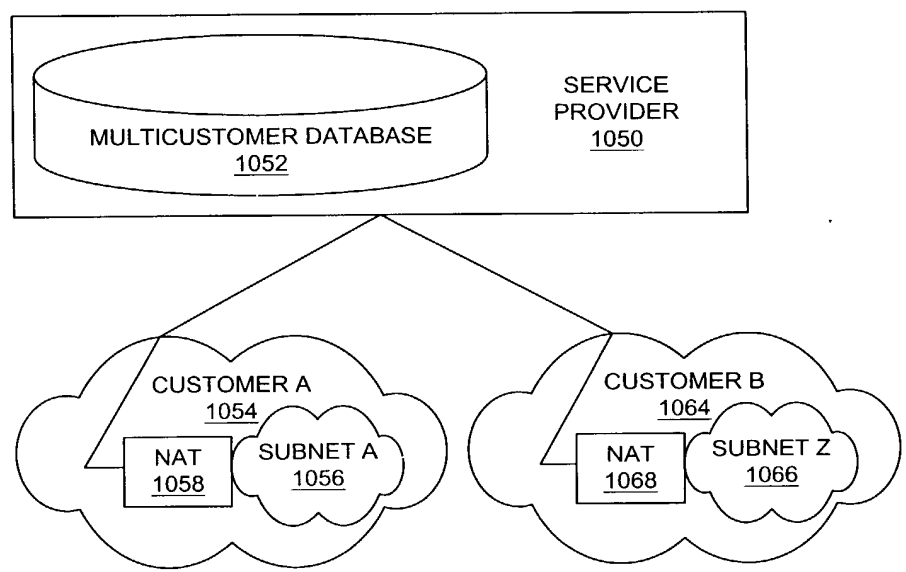


FIG. 10B

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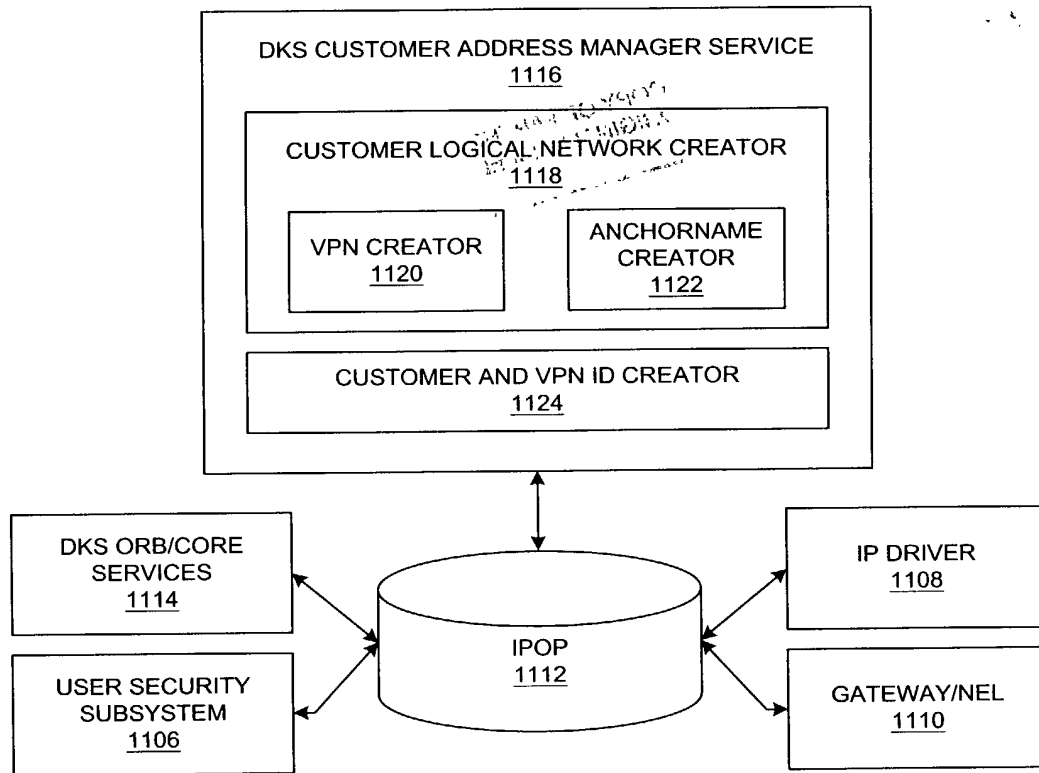


FIG. 11A

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Network Management Application

NETWORKS REQUIRING VPN CREATION--DUPLICATE ADDRESSES EXIST

PHYSICAL NETWORK ADDRESS: 10.7.205.103 ~ 1352

CUSTOMER ANCHORNAME: AUSTIN\BLDG1 ~ 1356

VPN ID: ~ 1370

PHYSICAL NETWORK ADDRESS: 10.7.205.103 ~ 1354

CUSTOMER ANCHORNAME: AUSTIN\BLDG2 ~ 1358

VPN ID: ~ 1372

1378 ☒ CHANGE VPN ID FOR ENTIRE SCOPE

SET ~ 1374 1376 ~ CLEAR

FIG. 13

Method and system for managing secure geographic boundary resources
within a network management framework

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```

Public Class IPActionObject {

    Endpoint sourceEP;
    Endpoint targetEP;

    // CONSTRUCTOR
    IPActionObject( Endpoint targetEP, Endpoint sourceEP ) {
        .
        .
        .
    }
    VOID performAction( ) // EXECUTES ACTION METHOD
    .
    .
    .
}

```

FIG. 11B

```

Public Class Endpoint {

    // public variables
    long EObjectID; // ID to object (both private and public network addresses)
    InetAddress EIPAddress; // physical network address (private or public)
    long EPVPN; // virtual private network ID

    //get/set of variables
    public long getObjectID( ) { ... }
    public InetAddress getAddress( ) { ... }
    public long getVPN( ) { ... }

}

```

FIG. 11C

```

Public Class EndpointCustomer extends Endpoint {

    public getVPNGW( ) {
        //gets the only gateway which has access to a particular private network
        .
        .
        .
    }
    //private variables only set/accessed by EP creator IPOP
    long customerHashNumber;
    String customerName;
    String customerAnchorPath;
    Long objectIDPrivateGatewayRoute

}

```

FIG. 11D

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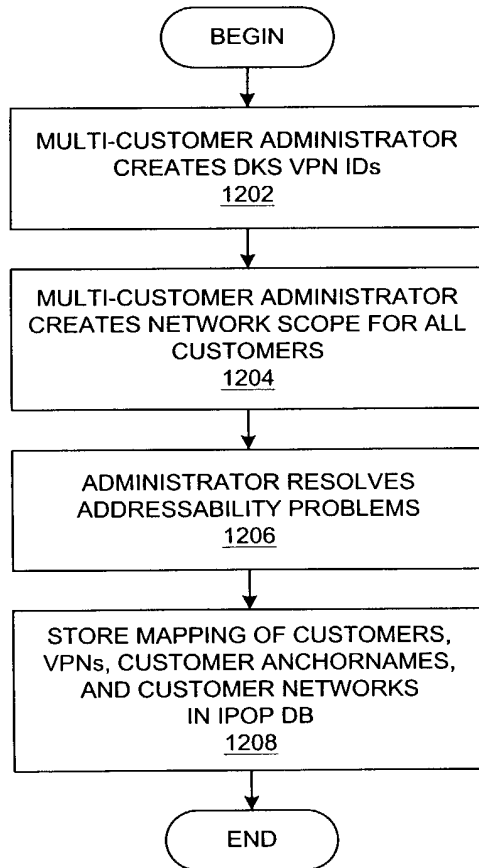


FIG. 12A

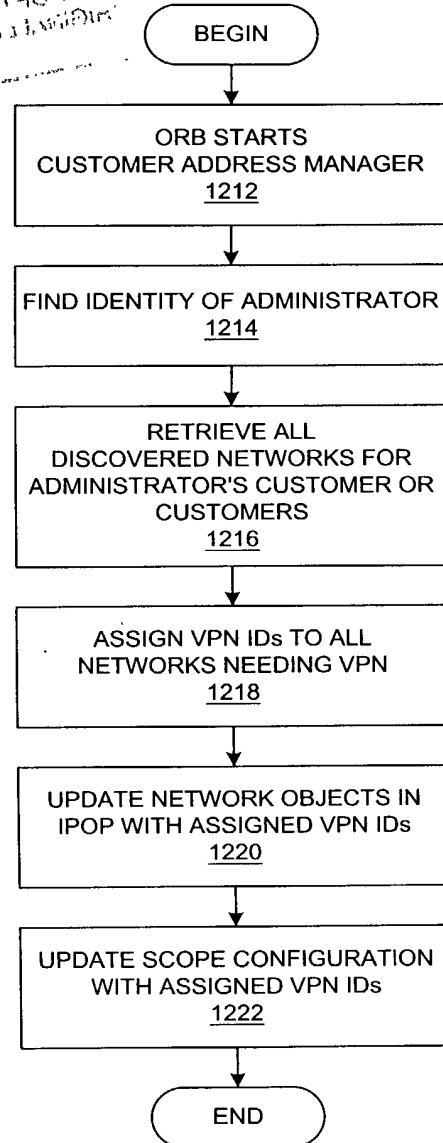


FIG. 12B

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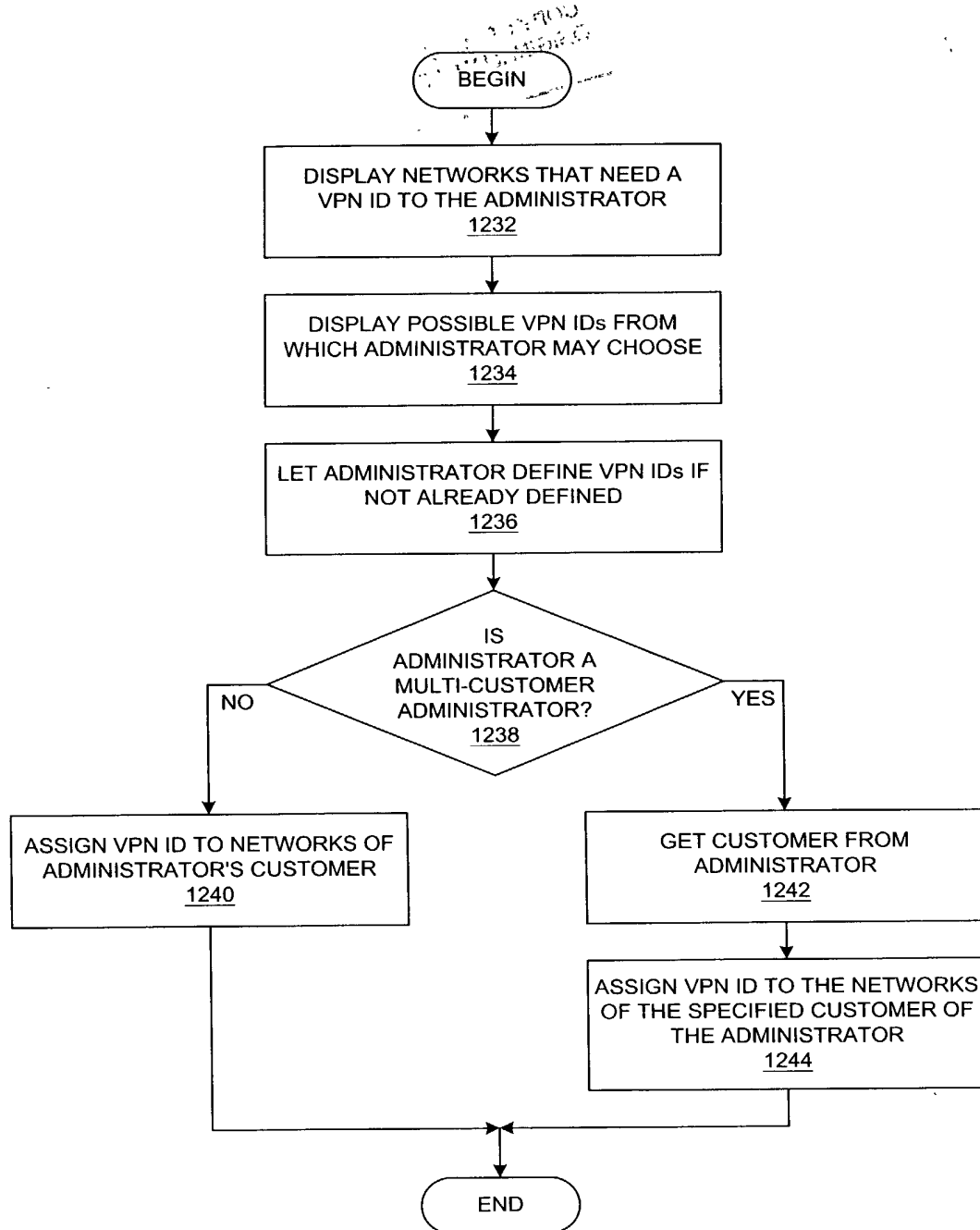
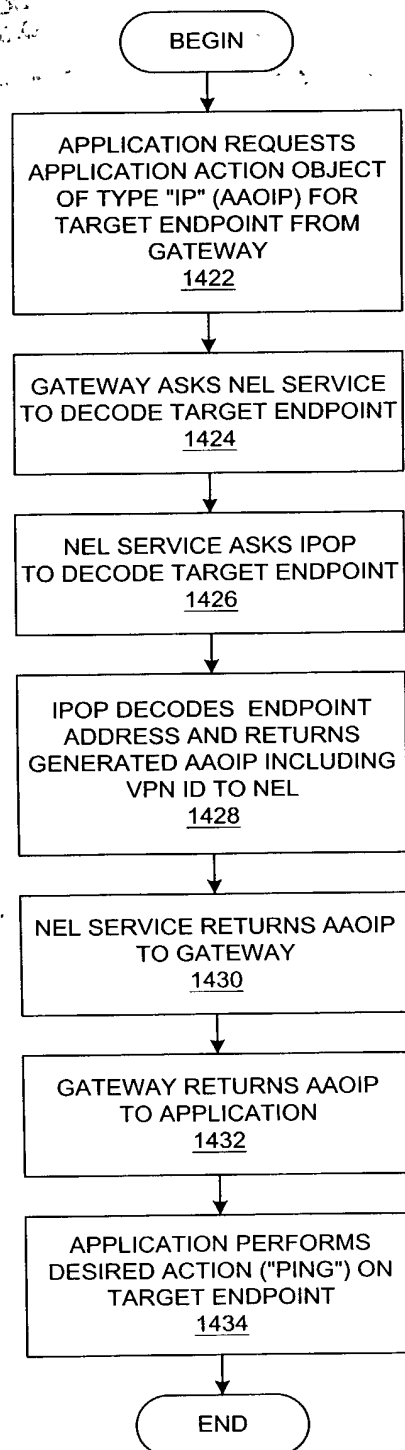
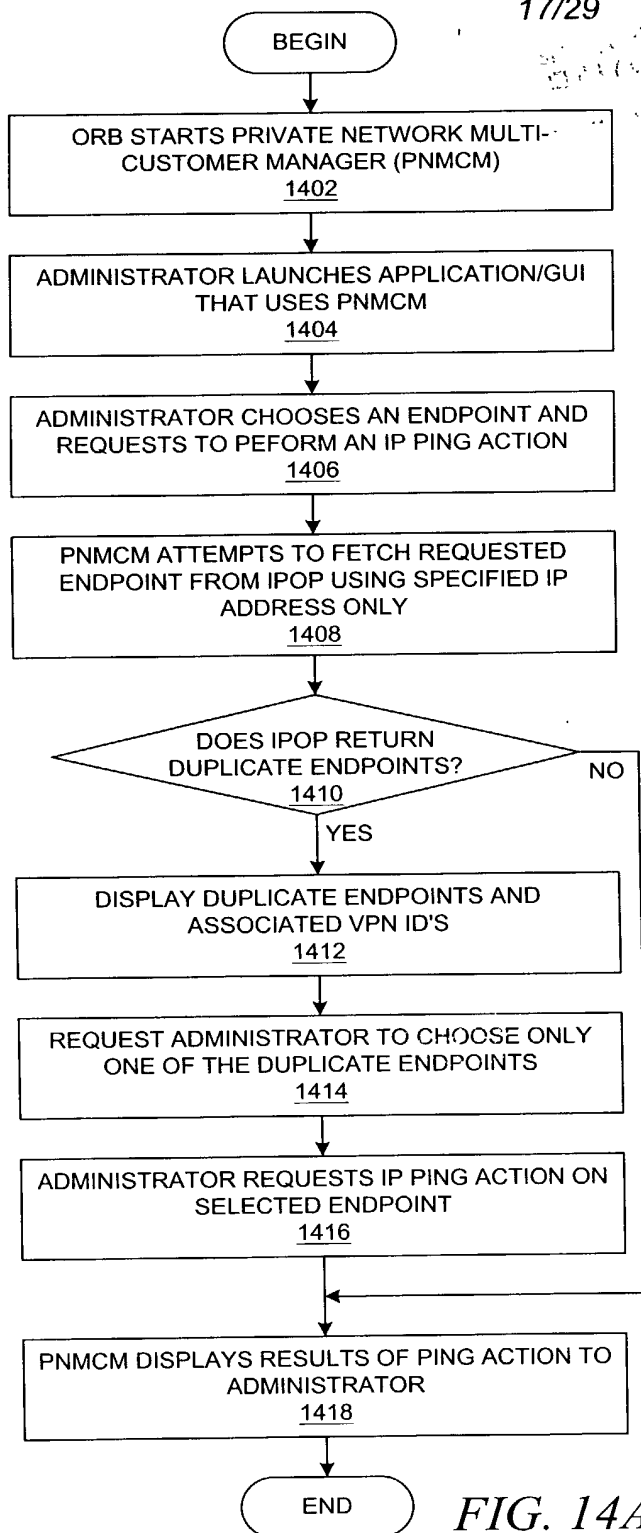


FIG. 12C

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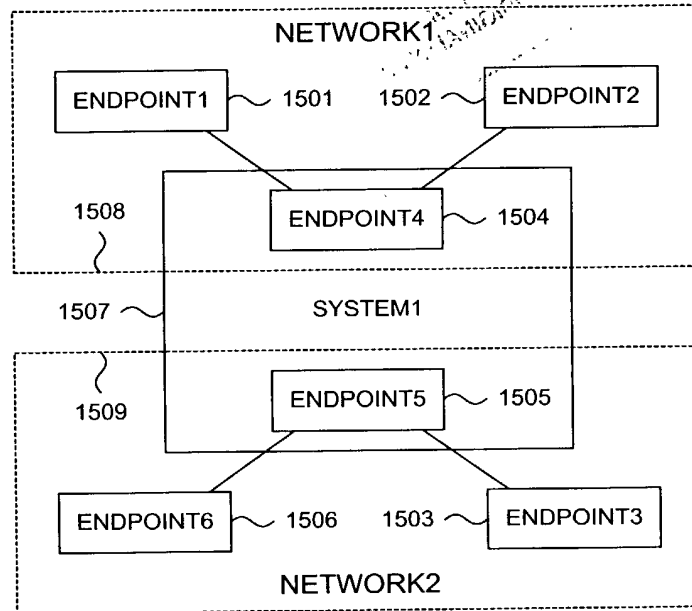


FIG. 15

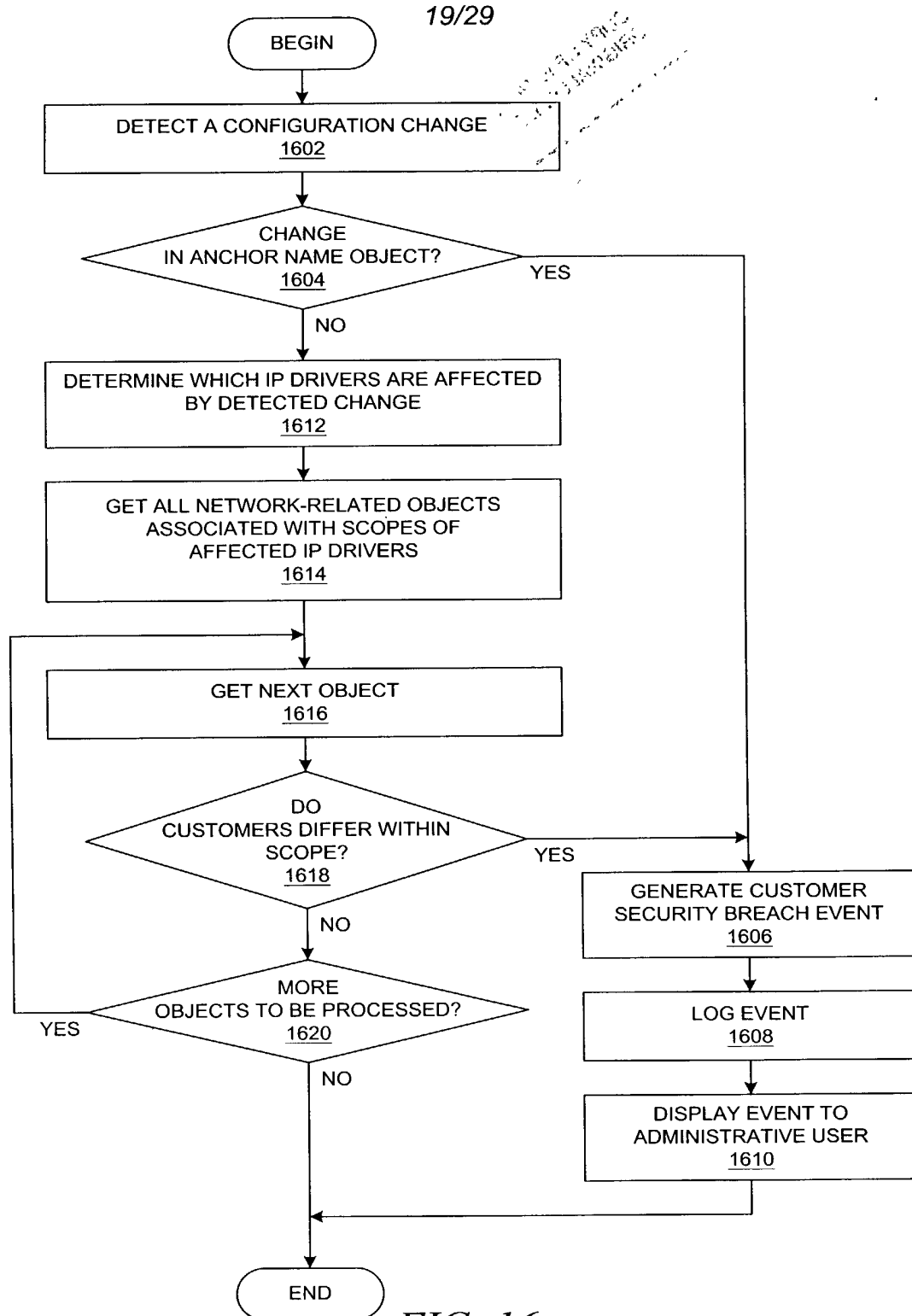


FIG. 16

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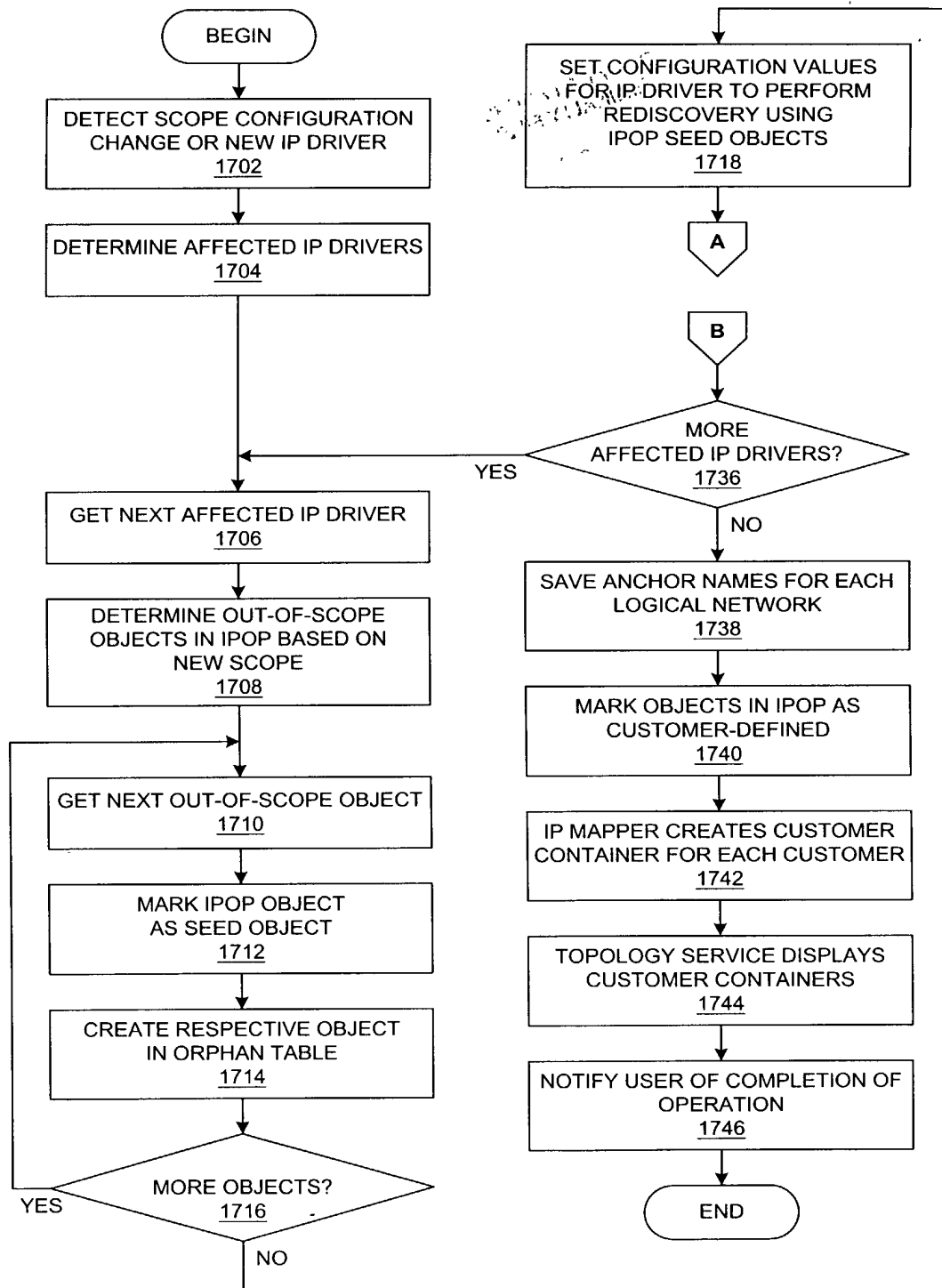


FIG. 17A

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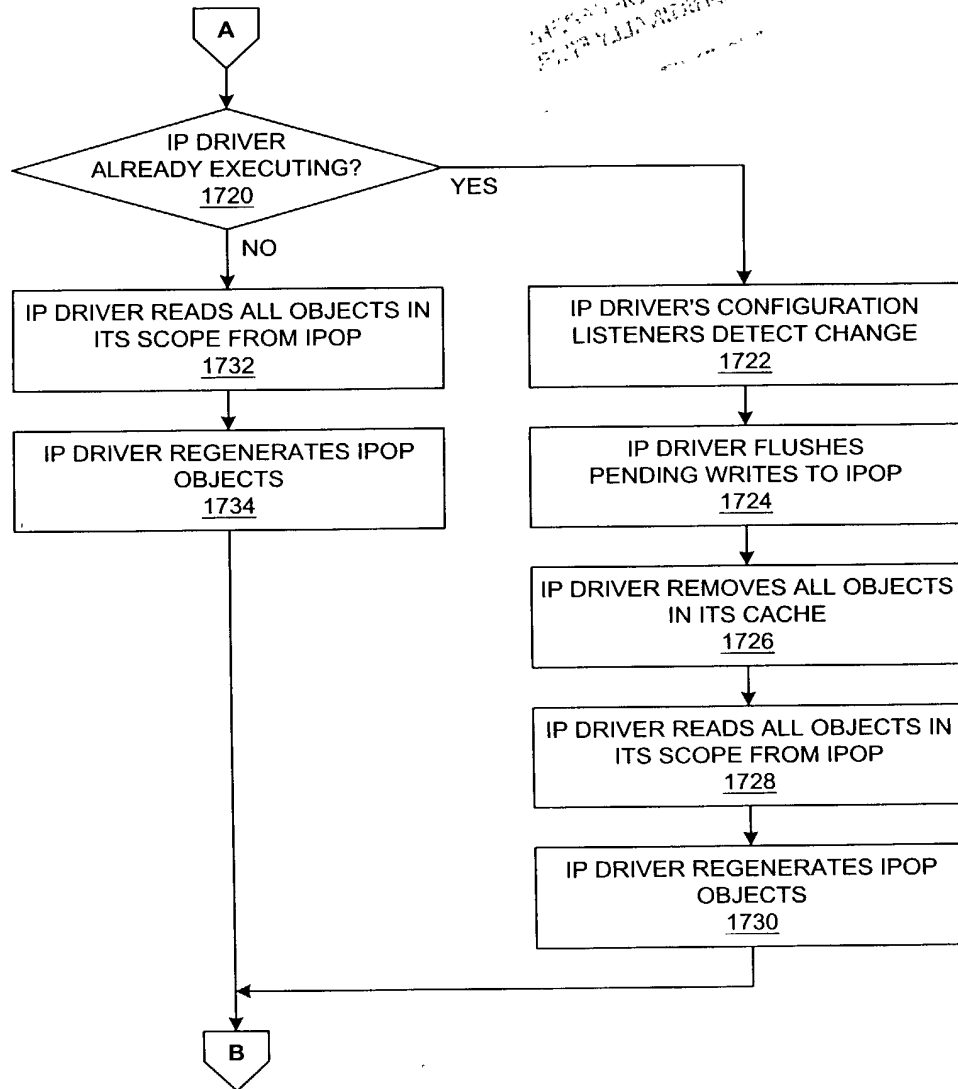


FIG. 17B

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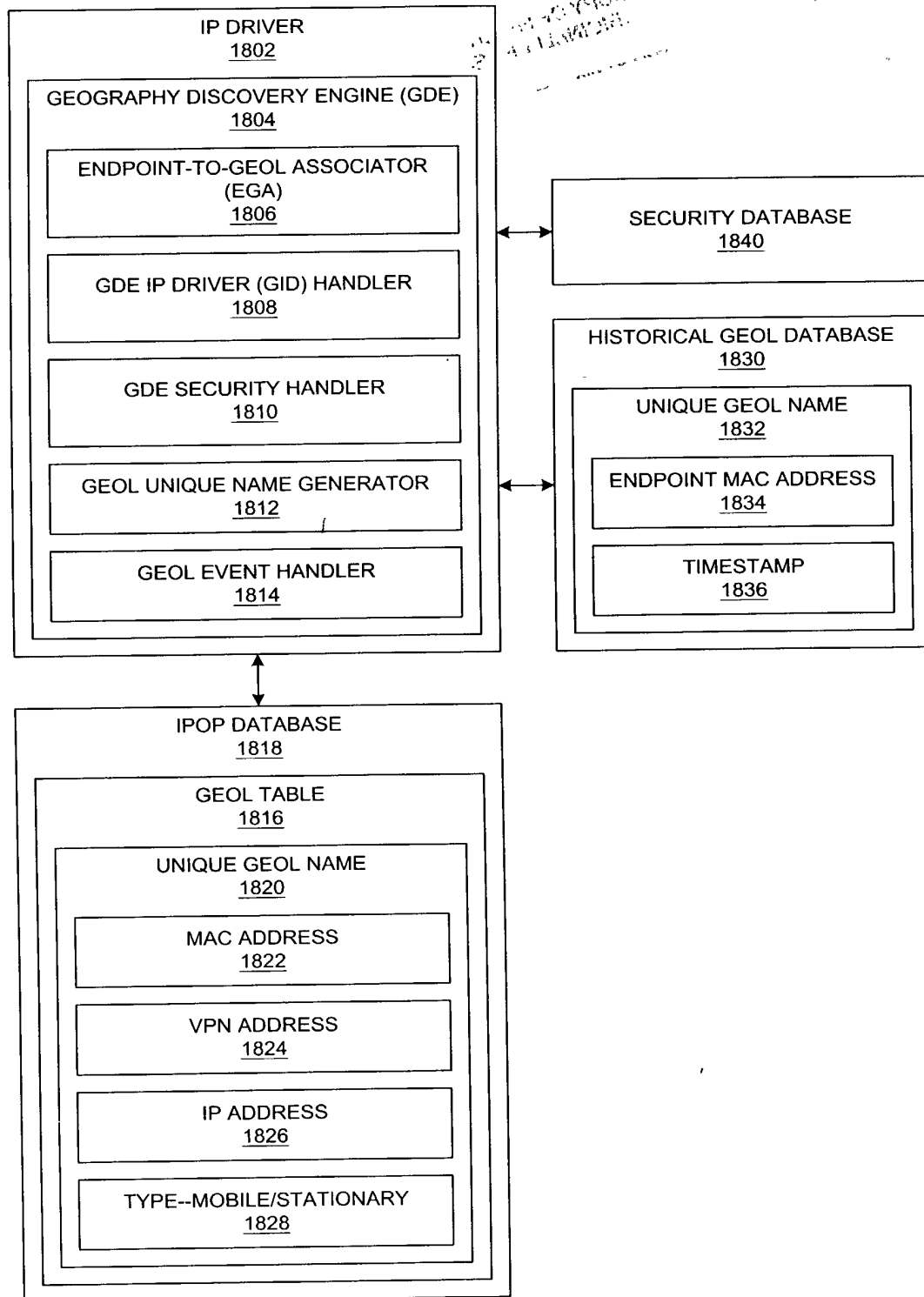


FIG. 18

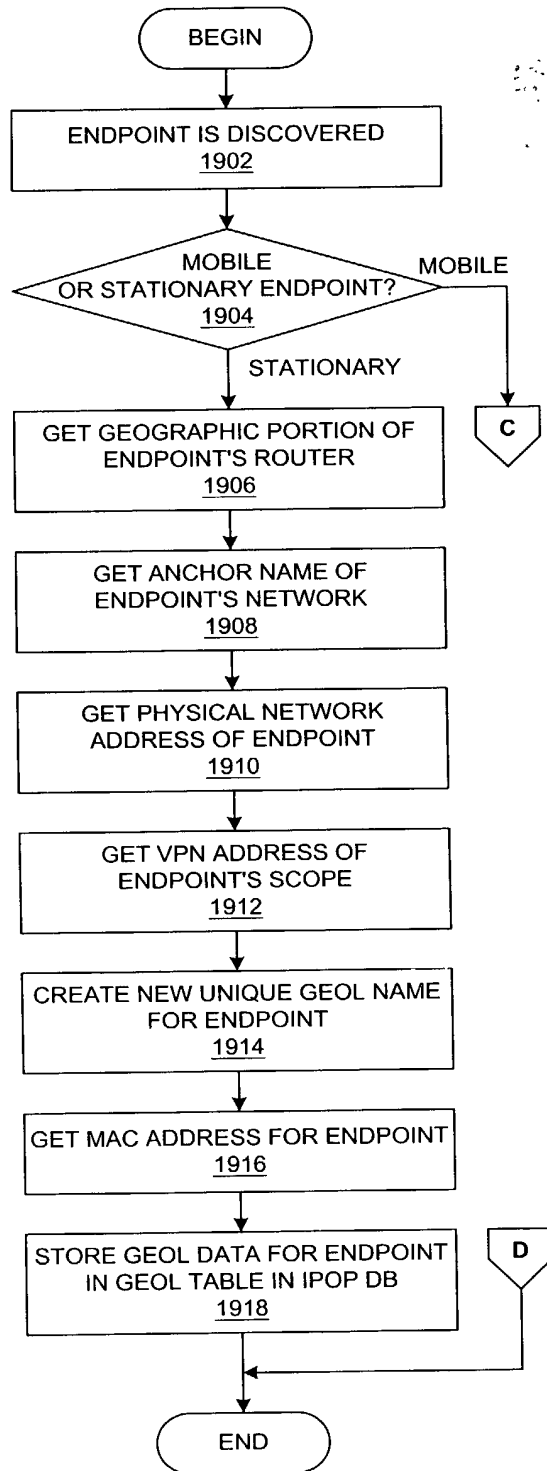


FIG. 19A

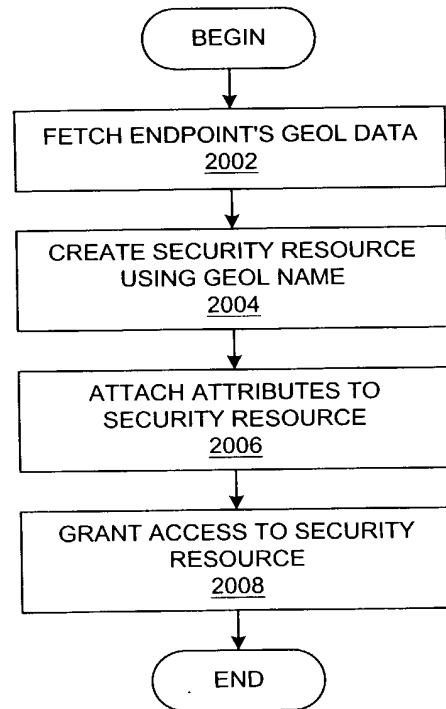


FIG. 20

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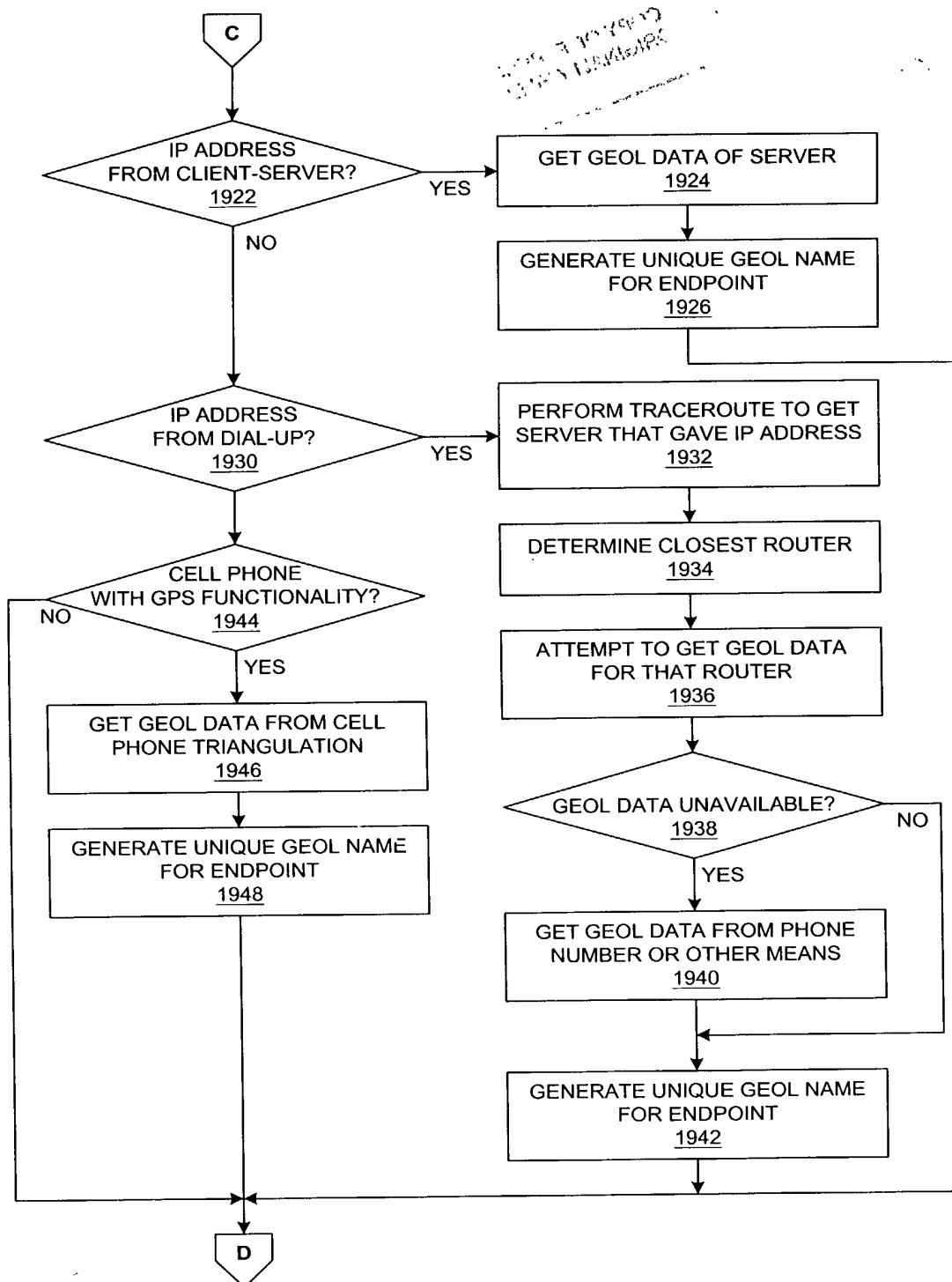


FIG. 19B

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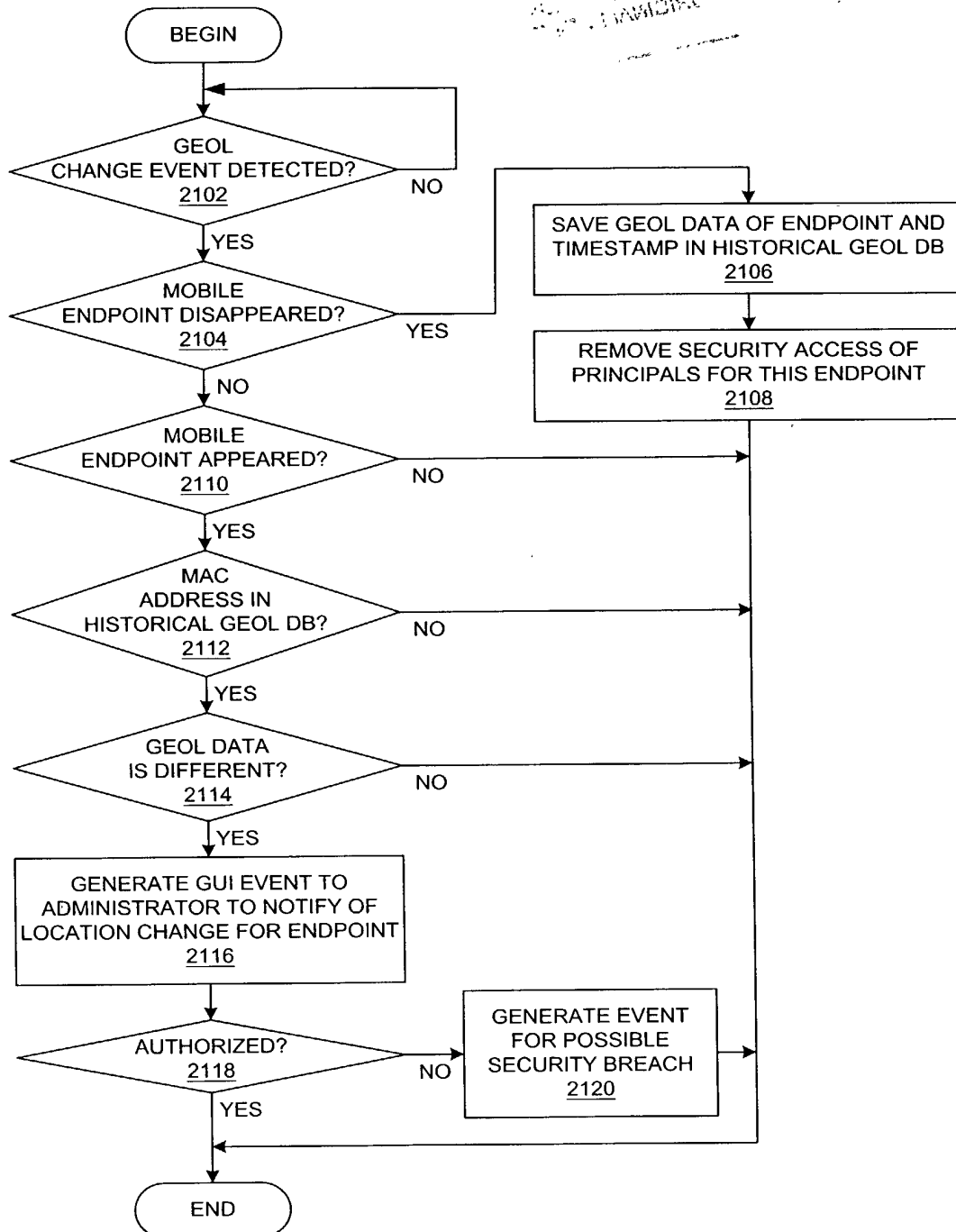


FIG. 21

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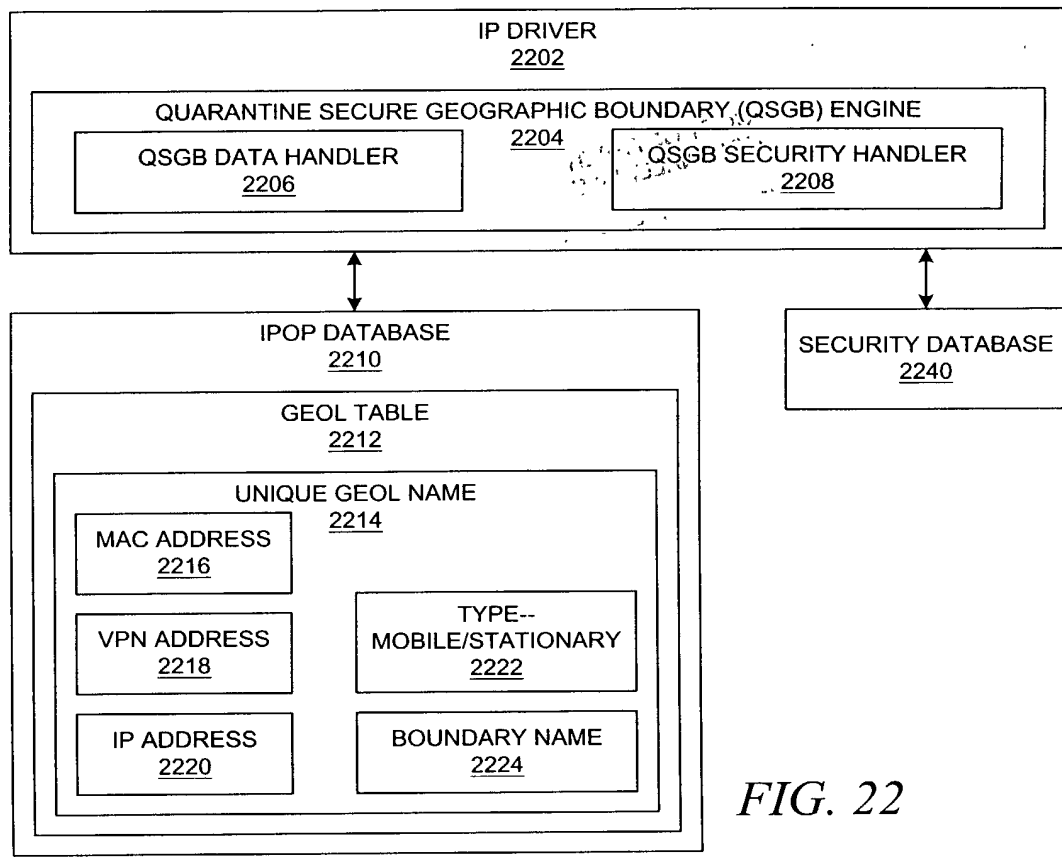


FIG. 22

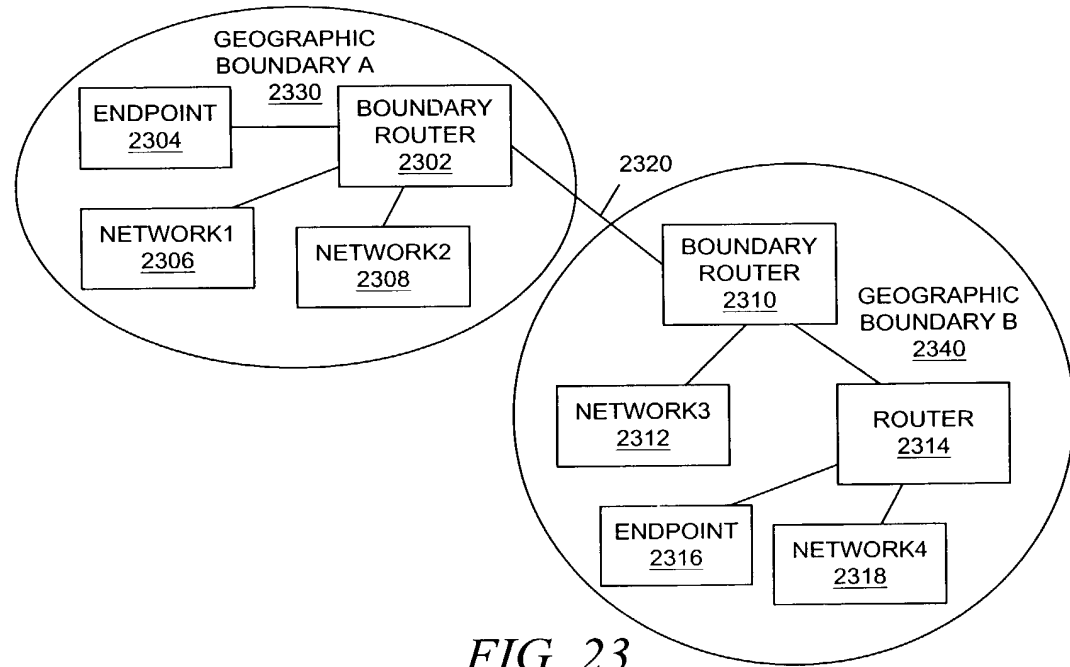


FIG. 23

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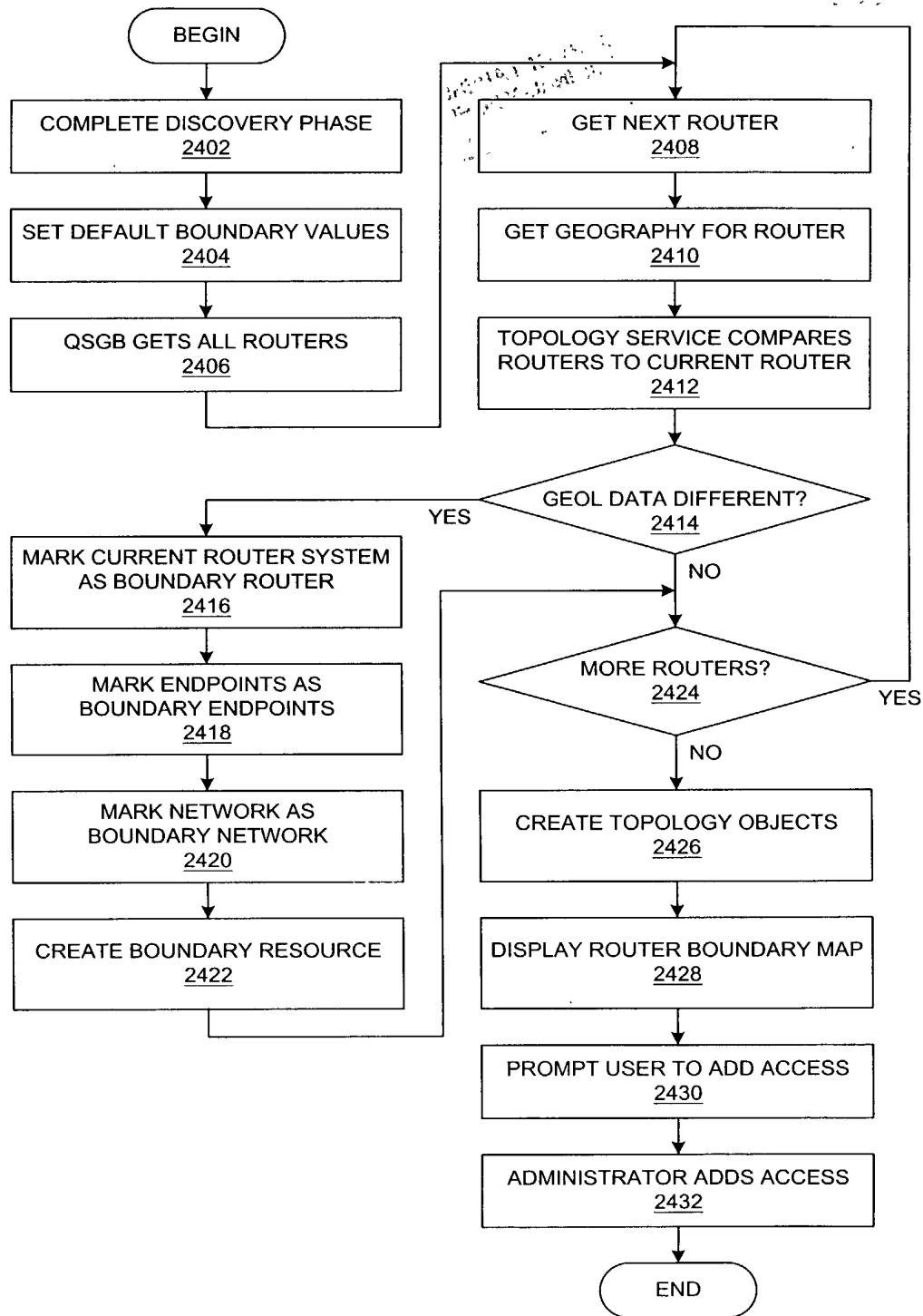


FIG. 24

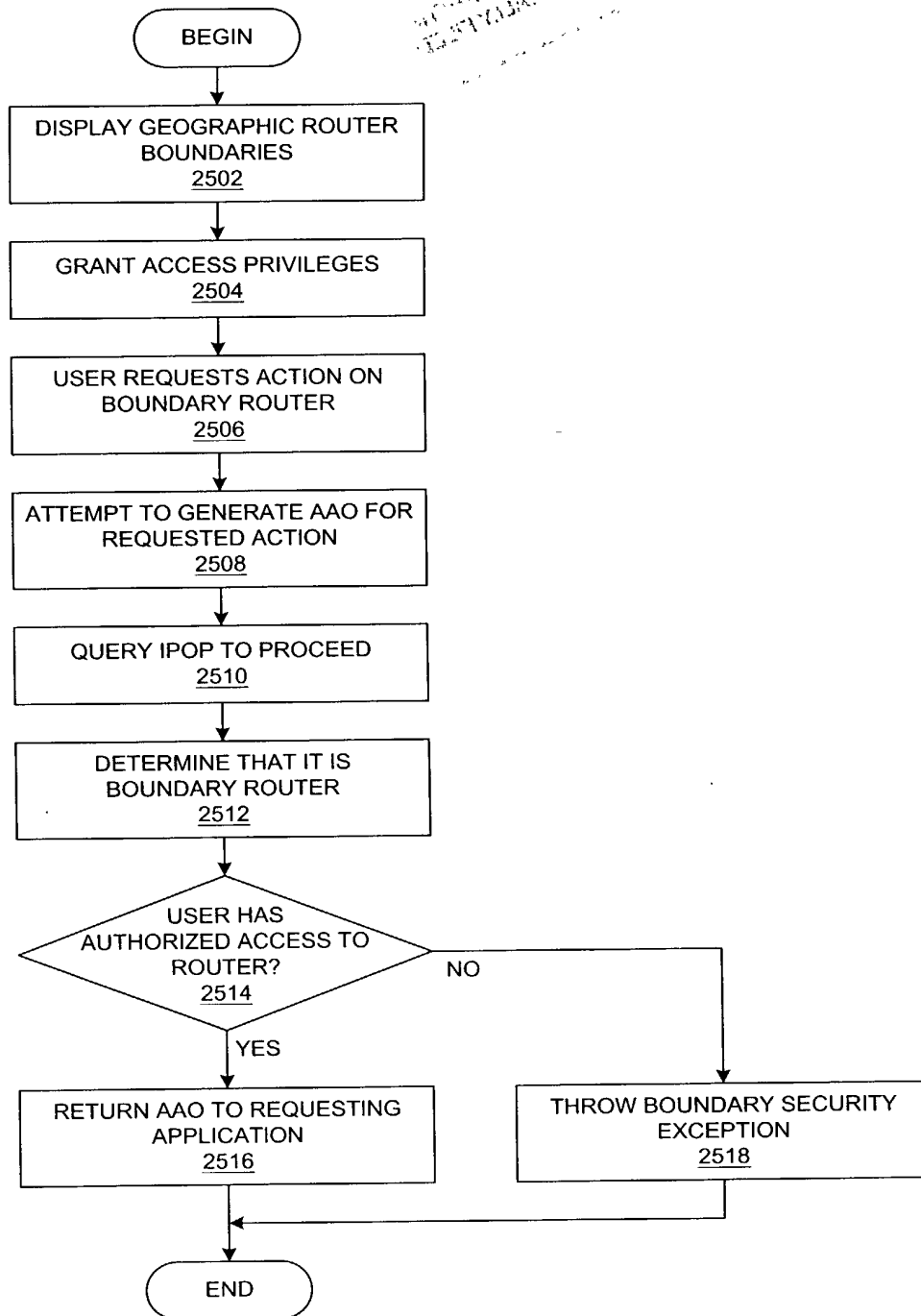


FIG. 25

Method and system for managing secure geographic boundary resources within a network management framework

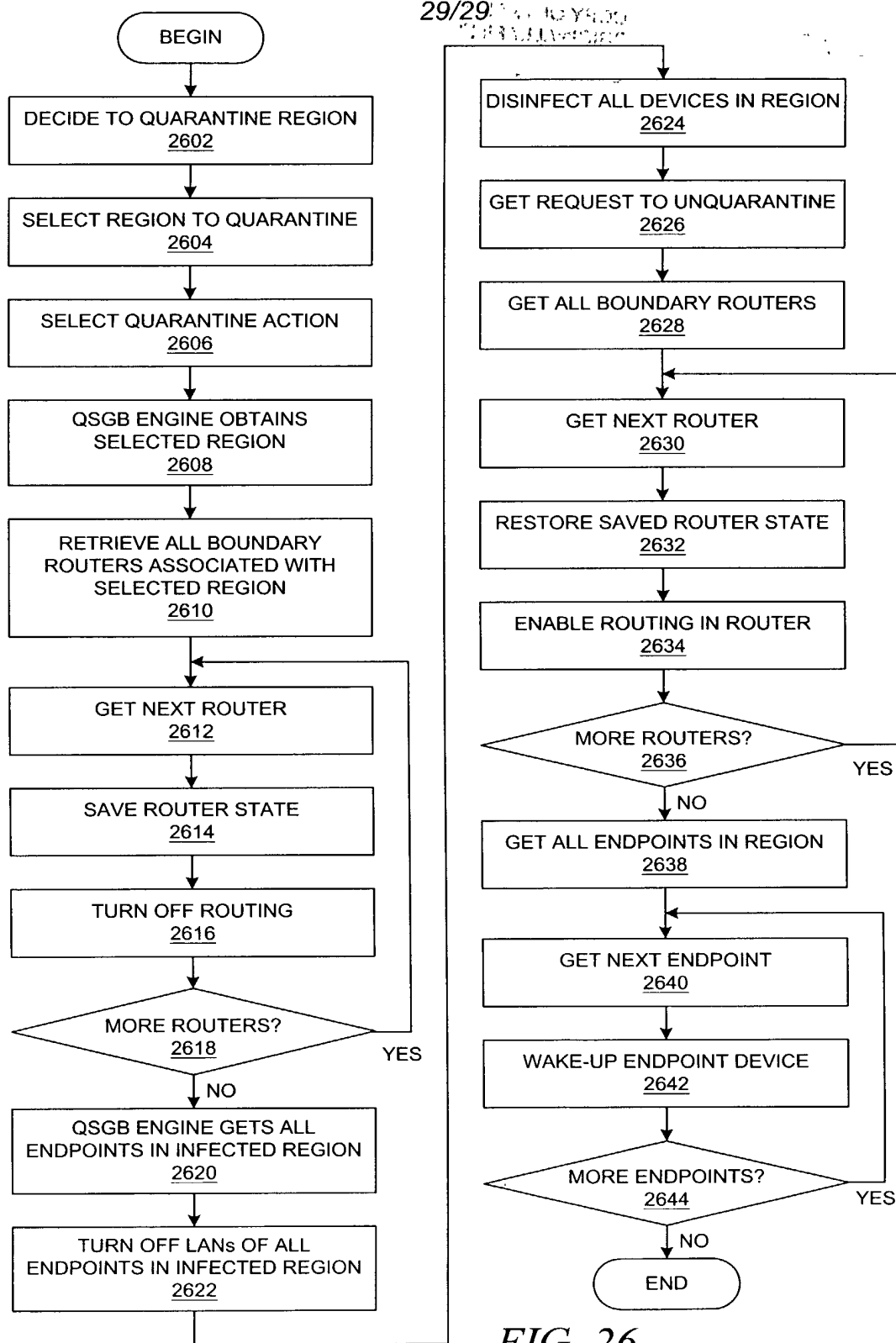


FIG. 26